

MAGNUM

MAGNUM 350 & MAGNUM 350 BIO-PRO SYSTEM
CONVERTIBLE CANISTER FILTERS



Model# Magnum 350

For Optimum Performance

MAGNUM CANISTER

- Replace Filter Media every 2-4 weeks. Black Diamond Premium Activated Carbon is available at your local Marineland dealer.
 - Clean Impeller monthly.
 - Clean Intake Tube monthly.
 - Clean Micron Cartridge Regularly (Rinse only)
- QUICK-DISCONNECT DOUBLE VALVES**
- Keep valves clean at all times
 - Periodically remove coupling barrel to clean grooves and O-rings.
 - Inspect O-rings for wear. (To replace, request part #PR1450.)
 - When servicing the Magnum, turn valves off and disconnect the valve halves. Then lift the Magnum's canister from the motor, leaving its cover in place. Reconnect by reversing steps.

BIO-WHEEL PRO

- Once every month, gently brush the BIO-Wheel's housing and cover to remove any mineral or salt crust.
- Once every month, clean the spray bar with rigid brush. To do so, shut off the water supply, release the clips and remove the spray bar.
- Every three months, disconnect all fittings and clean the inside hoses with a 48-inch Flexi-Brush. Inspect O-rings for damage and replace if necessary.
- A properly cultured BIO-Wheel is brown or discolored, and may rotate irregularly. This is normal. If it becomes so heavily cultured that it no longer rotates, gently rinse its surface to remove the heaviest buildup. Use only room-temperature dechlorinated water.

Troubleshooting Guidelines

IF flexible hose kinks or collapses.
Reposition filter to avoid loops and deep curves in hose. Or cut hose to fit.

IF Intake Tube is too long.
Cut to desired length and reinstall.

IF Intake Tube is too short.
Use extension tube provided. Or purchase 3/4" diameter extension from aquarium dealer (PA1341).

IF unit will not pump and/or air won't evacuate from Canister.
Be sure Impeller Assembly and Housing are properly installed. Also Check Sleeve, Carbon/Media Container, Micron Cartridge for clogging - clean or replace. Try to "Burp" Canister. If air remains trapped in Canister after startup, lift Canister off motor (do not disconnect Canister cover), hold lower than aquarium, and tilt Canister until air has evacuated. Restart. Also make certain that "OUT" port inside Canister Cover is fitted over Impeller Exhaust Tube inside Canister. Make certain that "OUT" port on top of Canister Cover is connected to Outlet Hose and Tube. Check to see that end of Outlet Tube and Diffuser are under water. Correct any loops, kinks or deep curves in hose.

IF filter makes excessive noise or stops abruptly.
Rinse Canister, Impeller Assembly and Impeller Sump to remove gravel or carbon obstructions. Also rinse Carbon /Media Container thoroughly.

IF pumping slows or stops gradually.
Inspect hoses for dirt blocking flow. Clear with Flexi-Brush accessory (PA0554). Clean or replace Filter Sleeve, Carbon/Media Container, Micron Cartridge.

IF air accumulates in Canister during operation.
Move Intake away from airstone bubbles or other air source. Also check position of hoses and Hose Retainer Bands to ensure that air is not being sucked in through hose connections.

IF leakage occurs at hose connections.
Position hose and/or Snapper Clamps properly. Or reinstall with light coating of silicon lubricant.

IF leakage occurs along rim of Canister Cover.
Check to see that O-Ring is positioned properly. If O-Ring is damaged, replace immediately. Wash O-Ring seal area thoroughly. If leak persists, try lubricating O-Ring lightly with silicon lubricant.

350 BIO-WHEEL PRO

IF water does not flow from the BIO-Wheels.
Inspect the Spray Bars for obstruction or buildup. Also, make sure that the Magnum is plugged in and that its valves are open. Lastly, check its impeller system for grit or debris.

IF water flow is reduced or the BIO-Wheel will not rotate. Check the Magnum media for heavy clogging. If the media is clogged, change it or clean it. If it's not clogged, try cleaning and/or readjusting the Spray Bar. Also try cleaning or replacing the BIO-Wheel's bearings.

IMPORTANT:

Always unplug Canister Filter before inspecting or disassembling for any reason.

LIMITED WARRANTY

Within three years from the date of original purchase, Marineland Aquarium Products will repair or replace, at its option, any MAGNUM 350 or MAGNUM 350 BIO-PRO Canister Filter which is deemed defective in workmanship or materials. Please return the unit, together with proof of date of purchase:

Call (800) 322-1266 for return authorization and shipping address.

Damage or injuries resulting from negligence or misuse are not covered by this warranty. Incidental or consequential damages are specifically excluded*. This warranty gives you specific legal rights. You may also have other rights which vary from state to state.

*Because some states do not allow the exclusion of incidental or consequential damages, this exclusion may not apply to you.

 **MARINELAND.** (800) 322-1266 www.marineland.com

05/07 P/N 11958

IMPORTANT SAFEGUARDS

WARNING: To guard against injury, basic safety precautions should be observed, including the following.

READ AND FOLLOW ALL SAFETY INSTRUCTIONS

DANGER: To avoid possible electric shock, special care should be taken in the use of aquarium equipment. For each of the following situations, do not attempt repairs yourself. Return the appliance to an authorized service facility for service or discard the appliance.

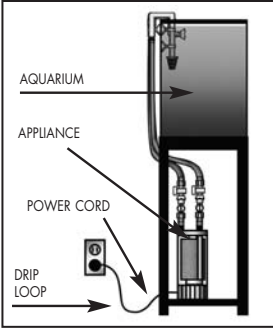
1. A. If the appliance falls into the water, DON'T reach for it. First unplug it and then retrieve it. If electrical components of the appliance get wet, unplug the appliance immediately.

B. If the appliance shows any sign of abnormal water leakage, immediately unplug from the power source.

C. Carefully examine the appliance after installation. It should not be plugged in if there is water on parts not intended to be wet.

D. Do not operate any appliance if it has a damaged cord or plug, or if it is malfunctioning or if it is dropped or damaged in any manner.

E. To avoid the possibility of the appliance plug or receptacle getting wet, position aquarium stand and tank to one side of a wall mounted receptacle to prevent water from dripping onto the receptacle or plug. A "drip loop," shown in the figure at right, should be arranged by the user for each cord connecting an aquarium appliance to a receptacle. The "drip loop" is that part of the cord below the level of the receptacle or the connector, if an extension cord is used, to prevent water from traveling along the cord and coming in contact with the receptacle. If the plug or receptacle does get wet, DON'T unplug the cord. Disconnect the fuse or circuit breaker that supplies power to the appliance. Then unplug and examine for presence of water in the receptacle.



2. Close supervision is necessary when any appliance is used by or near children.

3. To avoid injury, do not contact moving parts or hot parts such as heaters, reflectors, lamp bulbs, etc.

4. Always unplug an appliance from an outlet when not in use, before putting on or taking off parts, and before cleaning. Never yank cord to pull plug from outlet. Grasp the plug and pull to disconnect.

5. Do not use an appliance for other than intended use. The use of attachments not recommended or sold by the appliance manufacturer may cause an unsafe condition.

6. Do not install or store the appliance where it will be exposed to the weather or to temperatures below freezing.

7. Make sure an appliance mounted on a tank is securely installed before operating it.

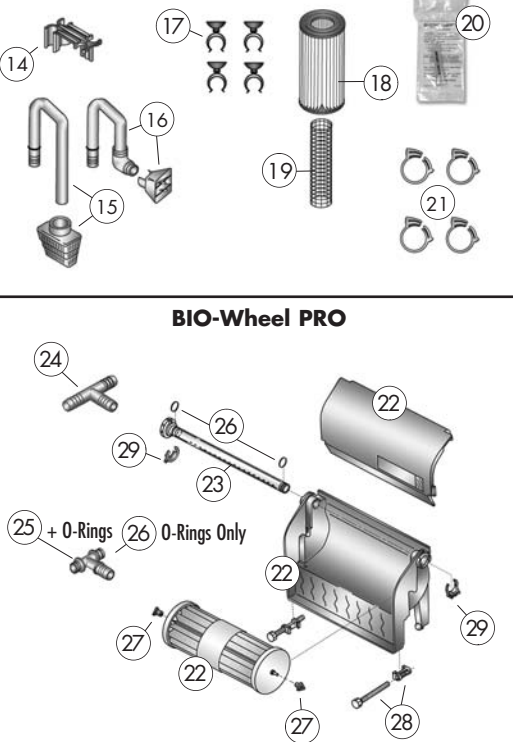
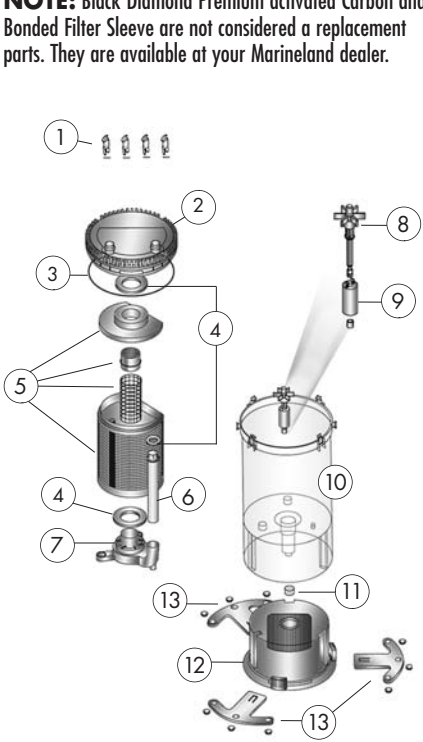
8. Read and observe all the important notices on the appliance.

9. If an extension cord is necessary, a cord with a proper rating should be used. A cord rated for less amperes or watts than the appliance rating may overheat. Care should be taken to arrange the cord so that it will not be tripped over or pulled.

10. This appliance has a polarized plug (one blade is wider than the other). As a safety feature, this plug will fit in a polarized outlet only one way. If the plug does not fit fully in the outlet, reverse the plug. If it still does not fit, contact a qualified electrician. Never use with an extension cord unless plug can be fully inserted. Do not attempt to defeat this safety feature.

Parts Diagram & Identification

NOTE: Black Diamond Premium activated Carbon and Bonded Filter Sleeve are not considered a replacement parts. They are available at your Marineland dealer.



Replacement Parts List

KEY	ITEM DESCRIPTION	ITEM NO.	KEY	ITEM DESCRIPTION	ITEM NO.
1	Clip & Pin Set, Pkg- 4	PR1437	17	Suction Cups - 4	PR11979
2	Canister Cover with Intake Diffuser	PR1412	18	Micron Cartridge	PA0140
3	O-Ring Cover Seal	PR1413	19	Rigid Core for Micron Cartridge	PR1420
4	Rubber Gasket Set (2 large & 1 small)	PR1414	20	Silicone Lubricant	PR1590
5	Carbon/Media Container	PA0145	21	Snapper Clamps - 4	PR11941
6	Exhaust Tube	PR1430			
7	Impeller Housing	PR1474			
8	Impeller & Shaft Assy. w/out Magnet	PR1472			
9	Magnet	PR1470			
10	Canister with Mounted Clips	PR1476			
11	Sump Cap	PR1480			
12	Motor Assembly PC 350	PR1477			
13	Stabilizer Leg	PR1479			
14	Tube Retainer Bracket	PR1404			
15	Intake Tube with Strainer	PR1402			
16	Outlet Tube with Split Flow Diffuser	PR1401			

BIO-Wheel PRO Replacement Parts List

22	BIO-Wheel Assembly	PR2002
23	Spray Bar Assembly	PR2006
24	Barbed Tee	PA2010
25	Tee Connector w/O-Rings	PR2035
26	O-Rings - BIO-Wheel PRO - Pkg. 4	PA2045
27	Barings - Pkg. 2	PR2001
28	Nut & Screw - Pkg. 2 (L-R Set)	PA2007
29	Connector Clips - Pkg. 2	PR2004

Questions or Missing Parts: Call Customer Service (800) 322-1266

(M-F 8am to 5pm, Eastern Time)

PAUTAS IMPORTANTES DE SEGURIDAD

ADVERTENCIA: A fin de protegerse contra lesiones, se deben respetar las siguientes precauciones de seguridad:

LEA Y CUMPLA TODAS LAS INSTRUCCIONES SOBRE SEGURIDAD

PELIGRO: A fin de evitar electrocución, se debe tener muchísimo cuidado al usar el equipo de acuario. En cada una de las siguientes situaciones, no intente hacer reparaciones por su cuenta; devuelva el aparato a un local de reparaciones autorizado para brindarle mantenimiento o desecharlo.

- A. Si el aparato cae al agua, ¡NO lo recoja! Primero desconéctelo y luego recójalo. Si se mojan los componentes del aparato, desenchufe la alimentación eléctrica inmediatamente.
- B. Si el aparato muestra cualquier signo de fuga anormal de agua, desenchúfelo inmediatamente de la fuente de alimentación eléctrica.
- C. Examine cuidadosamente el aparato después de su instalación. Desconéctelo si existe agua en piezas donde no debería haber humedad.
- D. No opere ningún aparato si tiene un cable o enchufe dañado, si viene funcionan do mal, o si se ha caído o dañado de alguna manera.
- E. A fin de evitar la posibilidad de mojar el enchufe del aparato o el tomacorriente, coloque el estante y el tanque del acuario a un lado del tomacorriente instalado en la pared a fin de evitar que el agua caiga sobre el enchufe o el tomacorriente. Cada usuario debería hacer un “lazo antigoteo” que se muestra en la figura a la derecha por cada cable que conecta un aparato con el tomacorriente. El “lazo antigoteo” es la pieza del cordón por debajo del nivel del tomacorriente, o del conector si se usa una extensión, que evita que el agua viaje a lo largo del cable y entre en contacto con el tomacorriente. Si a pesar de ello el enchufe o tomacorriente llegan a mojarse, NO desenchufe el aparato. Desconecte el fusible o cortacircuitos que suministra corriente al aparato, y luego desenchufe y examine la presencia de agua en el tomacorriente.
- Es necesaria la supervisión estrecha de un adulto si cualquier aparato es usado por un niño.
- A fin de evitar lesiones, no haga contacto entre las piezas móviles o piezas importantes como los calentadores, reflectores, bom billas, etc.
- Siempre desenchufe el aparato de un tomacorriente cuando no lo use antes de colocar o retirar piezas o antes de limpiar. Nunca jale el cable para retirar el enchufe del tomacorriente. Sujete el enchufe y retírelo.
- No utilice el aparato para un fin distinto al diseñado. El uso de accesorios que no sean recomendados ni vendidos por el fa cante podría causar condiciones de inseguridad.
- No instale o guarde el aparato a la intemperie o en áreas con temperaturas menores a cero grados.
- Asegúrese de que el aparato instalado en un tanque se encuentre firmemente sujeto e instalado antes de operarlo.
- Lea y respete todas las notas importantes del aparato.
- Si es necesario un cable de extensión, se debe usar un cable con la medida adecuada. Un cable con menor medida en amperios o vatios puede sobrecalentarse. Preste mucho cuidado en disponer el cable de modo que no sea obstáculo o sea jalado por terceros.
- Este aparato cuenta con un enchufe polarizado (una cuchilla es más ancha que la otra). Como medida de seguridad, este enchufe sólo encaja en un tomacorriente polarizado de una sola manera. Si el enchufe no encaja completamente en el tomacorriente, de la vuelta al enchufe. Si aún así no encaja, comuníquese con un electricista calificado. Nunca use un cable de extensión a menos que el enchufe se pueda insertar totalmente. No intente obviar esta característica de seguridad.

CONSERVE ESTAS INSTRUCCIONES

GARANTÍA LIMITADA Por un período de tres años desde la fecha de compra original, Marineland Aquarium Products reparará o reemplazará, a su elección, cualquier filtro de depósito MAGNUM 350 o MAGNUM 350 BIO-PRO que se considere defectuoso en cuanto a la fabricación o los materiales. Por favor devuelva la unidad, junto con el comprobante de la fecha de compra:

Llame al (800) 322-1266 para obtener la autorización para la devolución y la dirección de envío.

Esta garantía no cubre daños ni lesiones causados por negligencia o uso indebido. Los daños incidentales o emergentes están específicamente excluidos*. Esta garantía le otorga derechos legales específicos. Además puede tener otros derechos que varían entre los estados.

* Debido a que algunos estados no permiten la exclusión de daños incidentales ni emergentes, esta exclusión puede no corresponder en su caso.

CONSEJOS PARA LA SEGURIDAD DE SU FILTRO DE DEPÓSITO MAGNUM 350

MESURES DE SÉCURITÉ IMPORTANTES

MISE EN GARDE: Les mesures de sécurité de base, comprenant les mesures suivantes, doivent être respectées afin de prévenir les blessures.

VEUILLEZ LIRE ET RESPECTER LES MESURES DE SÉCURITÉ SUIVANTES

DANGER: Des précautions spéciales doivent être prises lors de l’utilisation du matériel d’aquarium afin d’éviter les risques de choc électrique. Ne tentez pas d’effectuer la réparation des anomalies suivantes vous-mêmes. Retournez l’appareil chez un réparateur agréé pour réparation ou jetez l’appareil.

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